

Claims

- [c1] 1. A vibrating fishing rod, comprising:
a vibratory module mounted within a handle cavity of the
fishing rod.
- [c2] 2. The rod of Claim 1 with the vibratory module being
accessible through an end opening defined by an end edge of
the handle cavity.
- [c3] 3. The rod of Claim 2 with the rod including a tapered, hollow
rod body having a large end, with internal wall defining an
elongate, tapered handle cavity, and with an end edge
defining an end opening in the handle cavity.
- [c4] 4. The rod of Claim 3 with a handle overlying a portion of the
large end of the rod body, the handle having an end edge
substantially coplanar with the end edge of the rod body.
- [c5] 5. The rod of Claim 2 with a removable, open ended,
cylindrical cap overlying an extreme end of the handle, such
that access to the handle cavity is provided when the cap is
removed, and the handle cavity is sealed when the cap is
fitted.
- [c6] 6. The rod of Claim 1 with a switch mounted in a fore grip, and
with circuit conduits interconnecting the switch and the
vibratory module such that the switch controls the vibratory

module.

- [c7] 7. The rod of Claim 5 with a switch mounted in a fore grip located inwardly of the handle, and with circuit conduits interconnecting the switch and the vibratory module such that the switch controls the vibratory module.
- [c8] 8. The rod of Claim 6 with a reel holder between the fore grip and handle, and the circuit conduits being entirely interior of the fore grip, reel holder, handle and rod body.
- [c9] 9. The rod of Claim 1 with the vibratory module including an elongate printed circuit board, first and second battery fingers extending from a top surface of the circuit board, an electric motor mounted to the top surface and an eccentric weight on a shaft of the electric motor.
- [c10] 10. The rod of Claim 2 with the vibratory module including an elongate printed circuit board, first and second battery fingers extending from a top surface of the circuit board, an electric motor mounted to the top surface and an eccentric weight on a shaft of the electric motor.
- [c11] 11. The rod of Claim 5 with the vibratory module including an elongate printed circuit board, first and second battery fingers extending from a top surface of the circuit board, an electric motor mounted to the top surface and an eccentric weight on a shaft of the electric motor.

- [c12] 12. The rod of claim 1 with a fore grip and reel holder, and circuit conduits interconnecting a switch in the fore grip to the vibratory module such that the switch controls the vibratory module.
- [c13] 13. The rod of Claim 12 wherein the vibratory module includes and electric motor and eccentric weight connected for rotation by the electric motor in response to actuation of the switch.
- [c14] 14. The rod of Claim 13 with a battery in the vibratory module.
- [c15] 15. The rod of Claim 14 with the circuit conduits being entirely interior of the fore grip, reel holder, handle and rod body.
- [c16] 16. The rod of Claim 14 with the electric motor and battery being mounted to an elongate printed circuit board.
- [c17] 17. The rod of Claim 5 wherein the vibratory module includes and electric motor and eccentric weight connected for rotation by the electric motor, and with the electric motor and a battery being mounted to an elongate printed circuit board.
- [c18] 18. The rod of Claim 17 with a switch in the fore grip, and the electric motor being activated in response to actuation of the switch.
- [c19] 19. The rod of Claim 18 with circuit conduits to the switch routed rearwardly over the end edges of the handle and rod body, then between the handle and rod body, and then

between the reel holder and rod body, such that there are no apertures in the internal wall of the rod body for circuit conduits.

[c20] 20. In a vibrating fishing rod of the type having a tapered, hollow rod body having a large end, with an internal wall defining an elongate, tapered handle cavity, and the rod body having an end edge defining an end opening in the handle cavity, with a handle overlying a portion of the large end of the rod body, the handle having an end edge substantially coplanar with the end edge of the rod body, a reel holder fitted over the rod body adjacent an inner end of the handle, and a fore grip fitted over the rod body adjacent an inner end of the reel holder, the improvement comprising:

a removable, open ended, cylindrical cap overlying an extreme end of the handle, such that access to the handle cavity is provided when the cap is removed, and the handle cavity is sealed when the cap is fitted;

a vibratory module within the handle cavity, the vibratory module including an elongate printed circuit board, first and second battery fingers extending from a top surface of the circuit board, an electric motor mounted to the top surface and an eccentric weight on a shaft of the electric motor;

a momentary, pushbutton switch mounted in the fore grip; and circuit conduits interconnection the switch, electric motor and

battery to permit actuation of the electric motor and battery to permit actuation of the electric motor when the switch is depressed, the circuit conduits being entirely interior of the fore grip, reel holder, and handle, and with walls defining at least one groove in a reel body interior surface to accommodate a circuit conduit.